

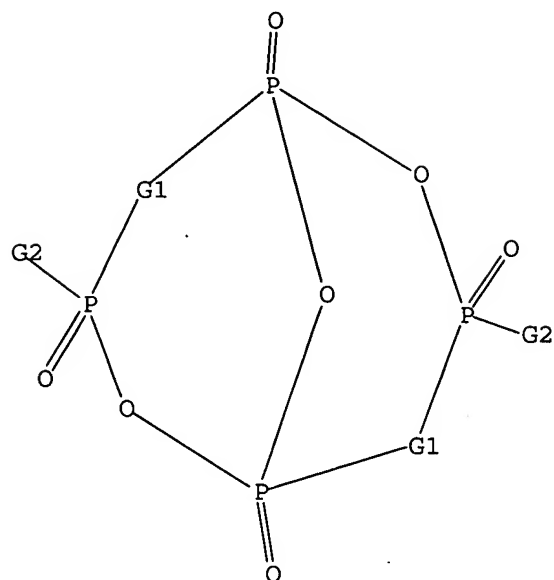
4/27/05

STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 Me,n-Pr,i-Bu,t-Bu,Ph,MeO,i-BuO,PhO,Cb,Cy,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 14:56:09 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 158 TO ITERATE

100.0% PROCESSED 158 ITERATIONS

0 ANSWERS

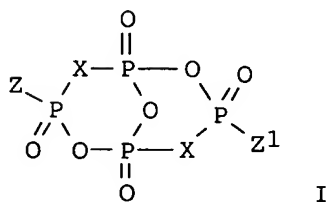
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L2 0 SEA SSS FUL L1

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ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1998:239233 CAPLUS
 DOCUMENT NUMBER: 128:321865
 TITLE: Preparation of nucleotide tetraphosphonate bicyclic trisanhydrides
 INVENTOR(S): Pankiewicz, Krzysztof W.; Lesiak, Krystyna; Watanabe, Kyoichi A.
 PATENT ASSIGNEE(S): Codon Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 144 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9815563	A1	19980416	WO 1997-US18323	19971009
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2268434	AA	19980416	CA 1997-2268434	19971009
AU 9748151	A1	19980505	AU 1997-48151	19971009
EP 934325	A1	19990811	EP 1997-910883	19971009
EP 934325	B1	20040714		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1239964	A	19991229	CN 1997-180340	19971009
CN 1113888	B	20030709		
JP 2001501952	T2	20010213	JP 1998-517770	19971009
BR 9712285	A	20011120	BR 1997-12285	19971009
AT 271058	E	20040715	AT 1997-910883	19971009
EP 1469003	A2	20041020	EP 2004-76948	19971009
EP 1469003	A3	20041124		
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MX 9903331	A	20000630	MX 1999-3331	19990409
KR 2000049026	A	20000725	KR 1999-703092	19990409
PRIORITY APPLN. INFO.:				
			US 1996-28154P	P 19961009
			US 1997-38360P	P 19970213
			EP 1997-910883	A3 19971009
			WO 1997-US18323	W 19971009
OTHER SOURCE(S):				
GI	MARPAT 128:321865			



AB Preparation of nucleotide bicyclic tris(anhydride)s I (Z, Z1 = alkyl, aralkyl, aryl, aminoalkyl, alkyloxy, aralkyloxy, alkylamino, aralkylamino, alkylmercaptan, aralkylmercaptan, arylmercaptan, sugar, nucleoside,

steroid, glyceride; X = CH₂, halo-methylene, NHR; R = H, alkyl) useful as intermediates in the synthesis of biol. active compds., and the compds. which may be synthesized from such intermediates, is reported. Thus, P1-[9-(3'-fluoro-3'-deoxy-β-D-arabinofuranosyl)-hypoxanthin-5'-yl]-P2-[7-hydroxy-5-methoxy-4-methylphthalan-1-on-6-yl-(3'-methyloct-2'-ene-8'-yl)]methylene-bis(phosphonate) was prepared

IT 206647-53-2P 206647-54-3P 206647-55-4P
 206647-56-5P 206647-57-6P 206647-58-7P
 206647-59-8P 206647-60-1P 206647-61-2P
 206647-62-3P 206647-63-4P 206647-64-5P
 206647-65-6P 206647-66-7P 206647-67-8P
 206647-68-9P 206647-69-0P 206647-70-3P
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 206647-74-7P 206647-75-8P 206647-76-9P
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 206647-80-5P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

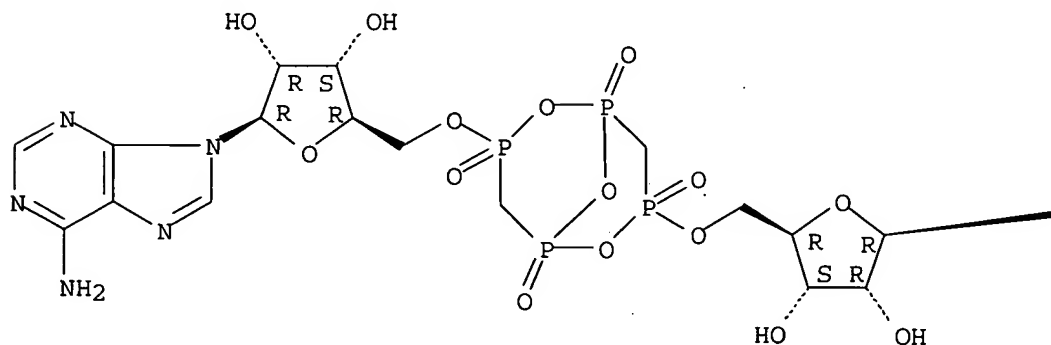
(preparation of nucleotide tetraphosphonate bicyclic trisanhydrides)

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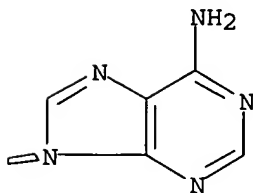
CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

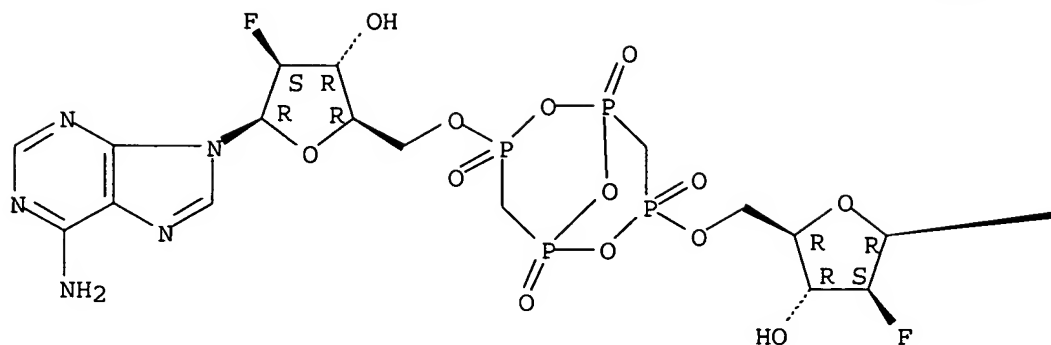


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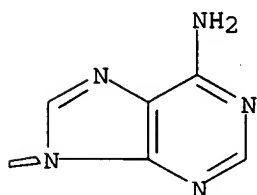
CN β-D-Arabinofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,2-dideoxy-2-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

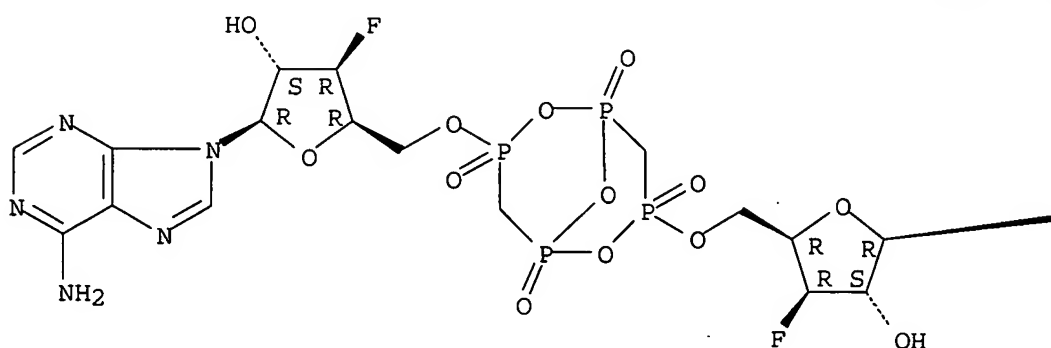


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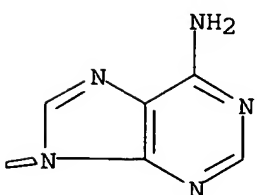
CN β -D-Xylofuranose, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-(6-amino-9H-purin-9-yl)-1,3-dideoxy-3-fluoro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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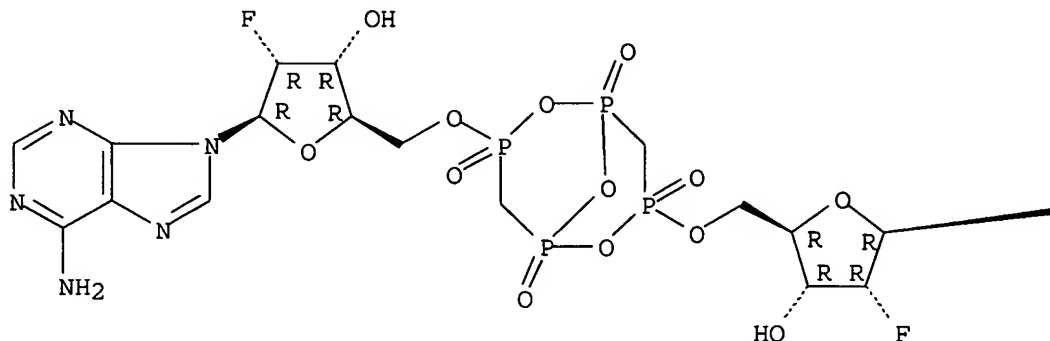
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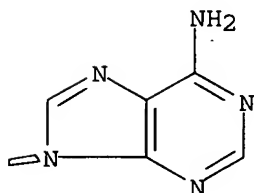
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 CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[2'-deoxy-2'-fluoro- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

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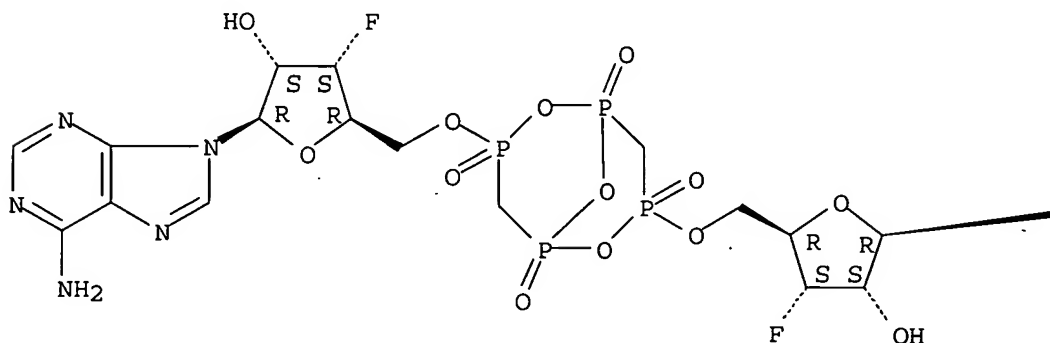
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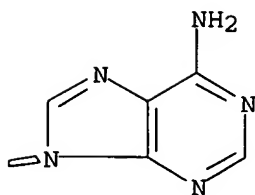


RN 206647-57-6 CAPLUS
 CN Adenosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[3'-deoxy-3'-fluoro- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

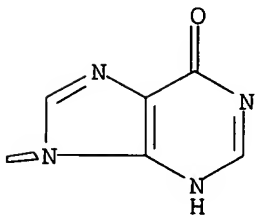
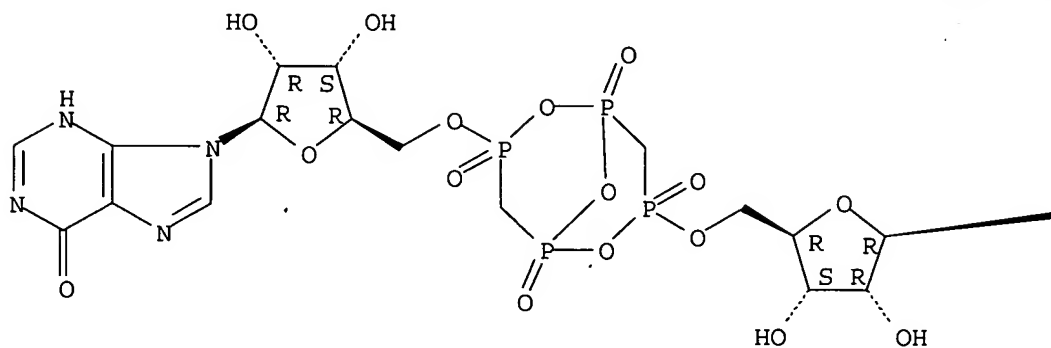




RN 206647-58-7 CAPLUS

CN Inosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

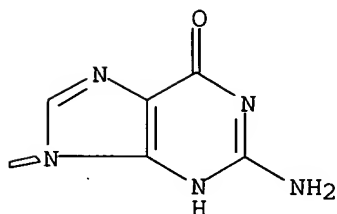
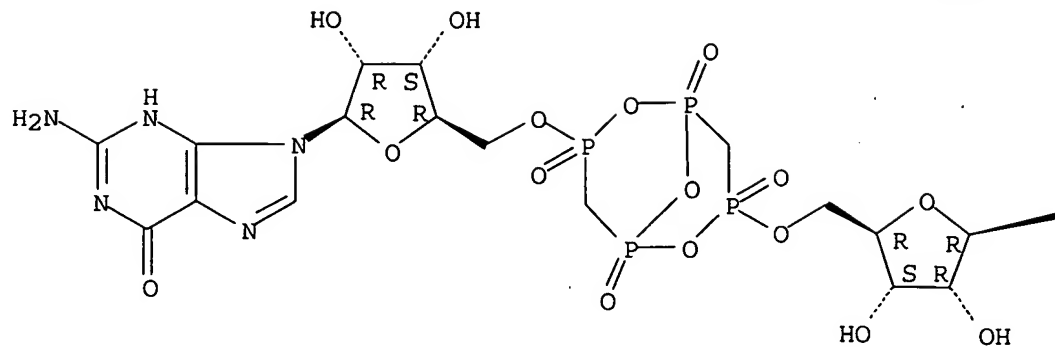
Absolute stereochemistry.



RN 206647-59-8 CAPLUS

CN Guanosine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

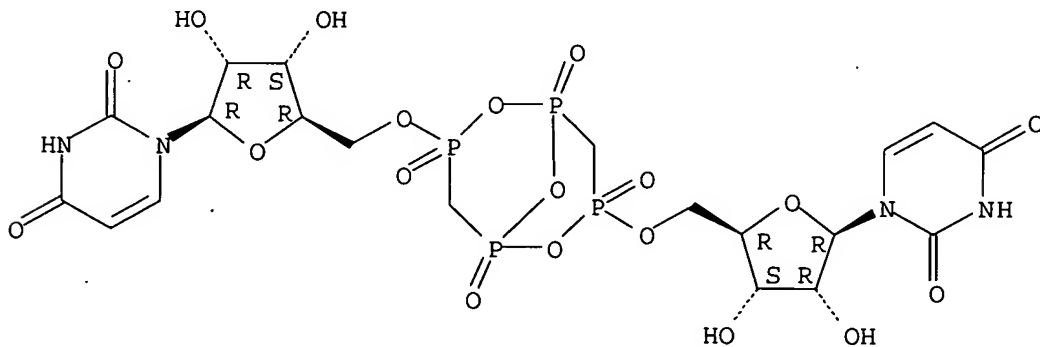
Absolute stereochemistry.



RN 206647-60-1 CAPLUS

CN Uridine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

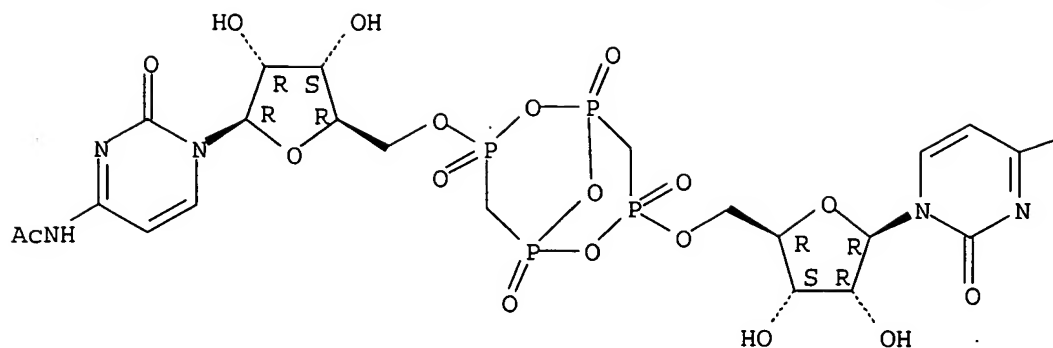
Absolute stereochemistry.



RN 206647-61-2 CAPLUS

CN Cytidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[N-acetyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

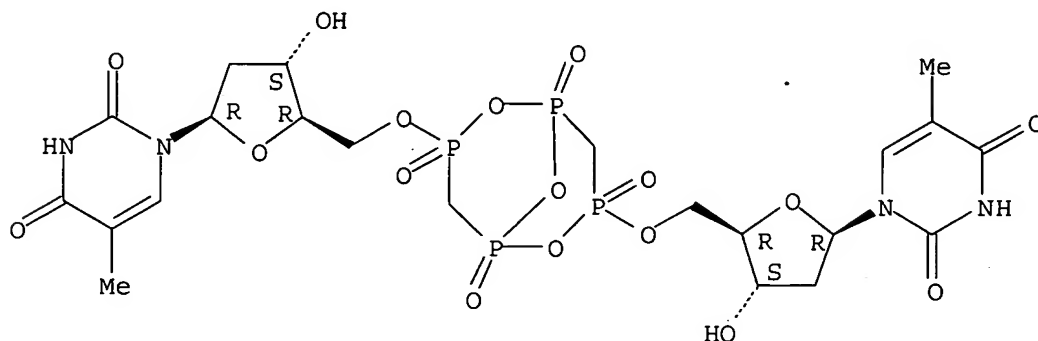


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RN 206647-62-3 CAPLUS

CN Thymidine, 5',5'''-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

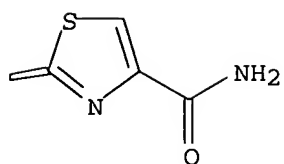
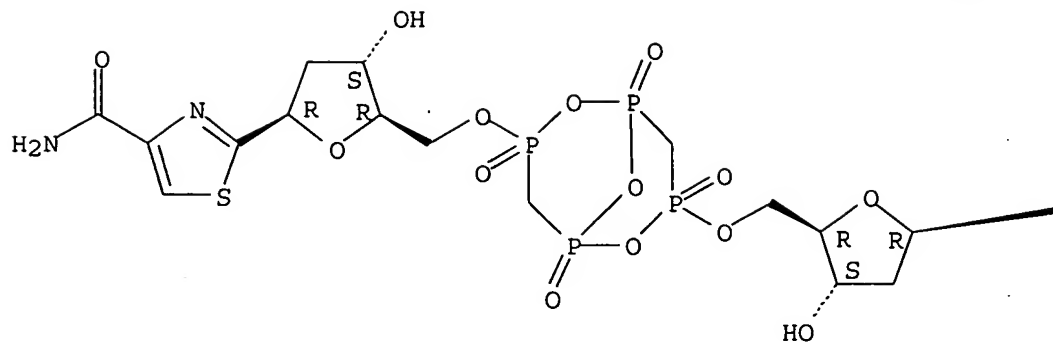
Absolute stereochemistry.



RN 206647-63-4 CAPLUS

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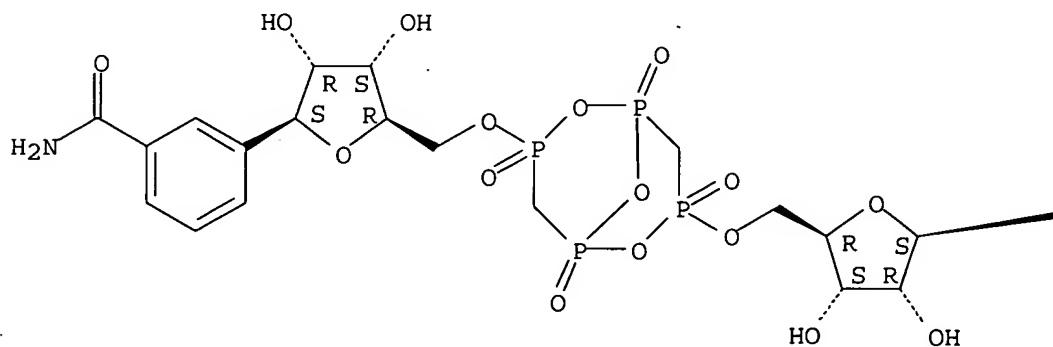
Absolute stereochemistry.

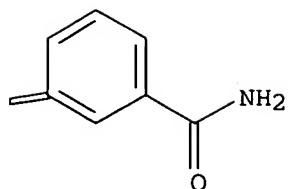


RN 206647-64-5 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-[3-(aminocarbonyl)phenyl]-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

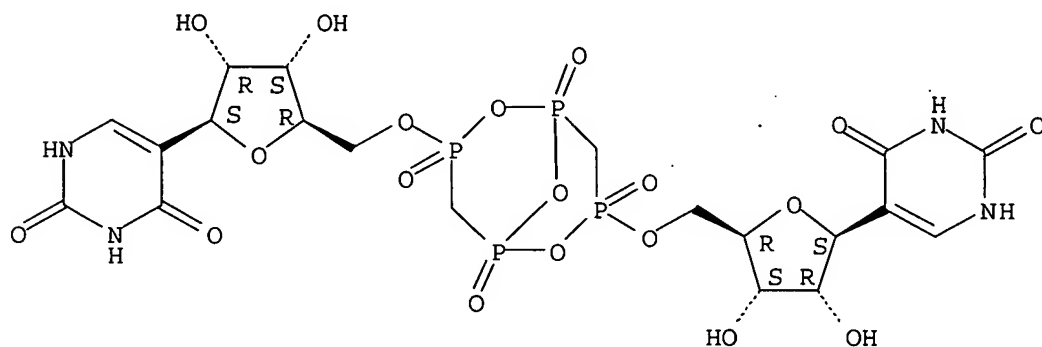




RN 206647-65-6 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1,4-anhydro-1-C-(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)-, (1S,1'S)- (9CI) (CA INDEX NAME)

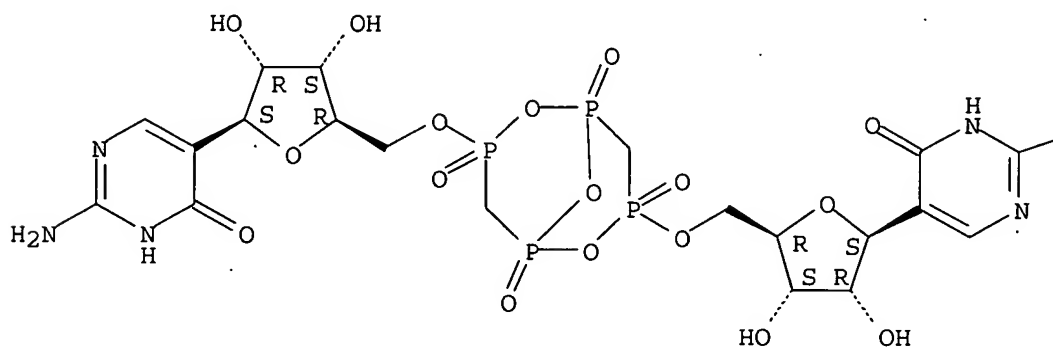
Absolute stereochemistry.



RN 206647-66-7 CAPLUS

CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



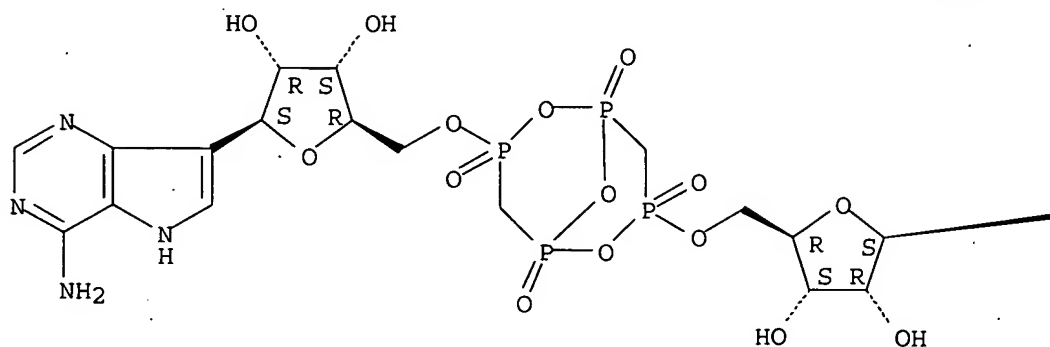
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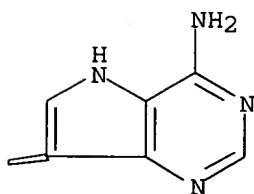
CN D-Ribitol, 5,5'-O-(1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(4-amino-5H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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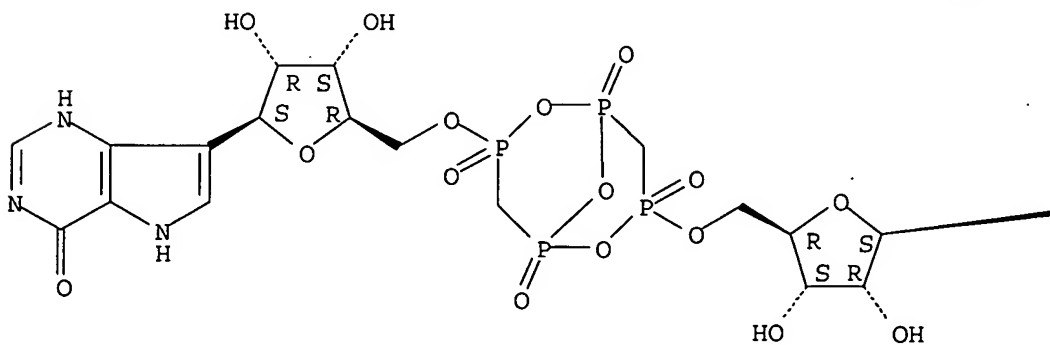


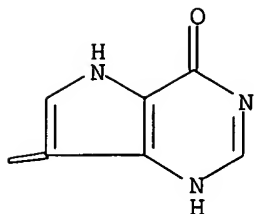
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Absolute stereochemistry.

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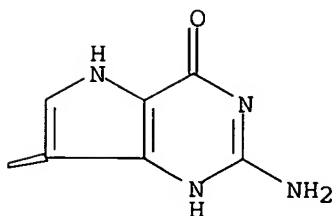
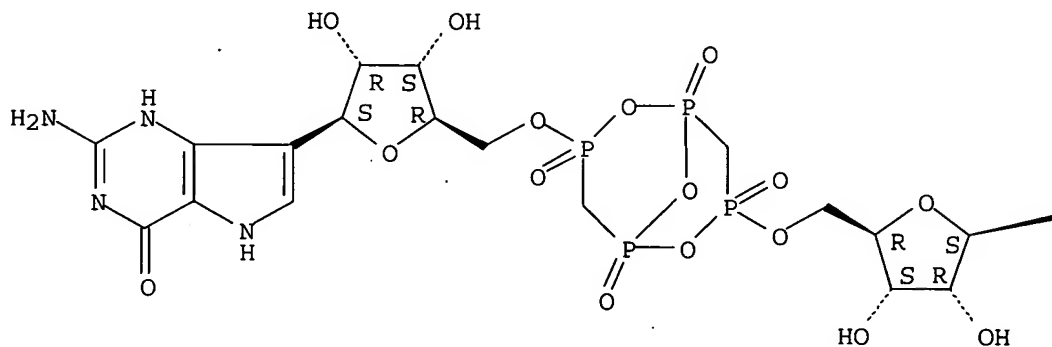




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Absolute stereochemistry.

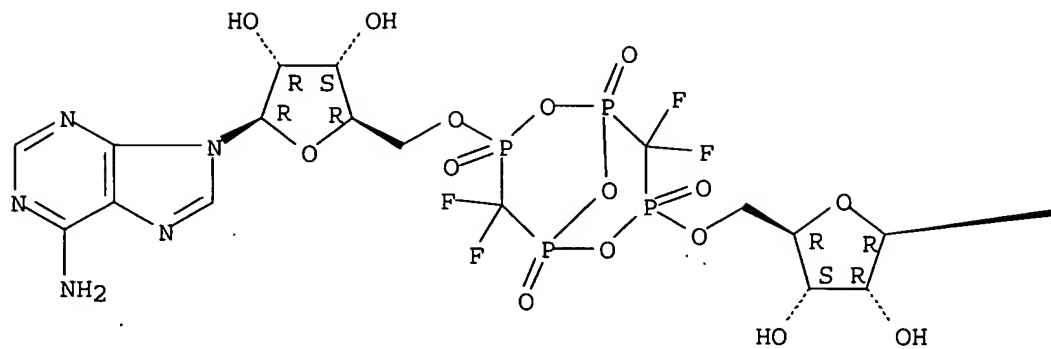


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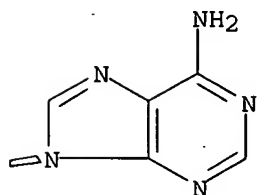
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Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

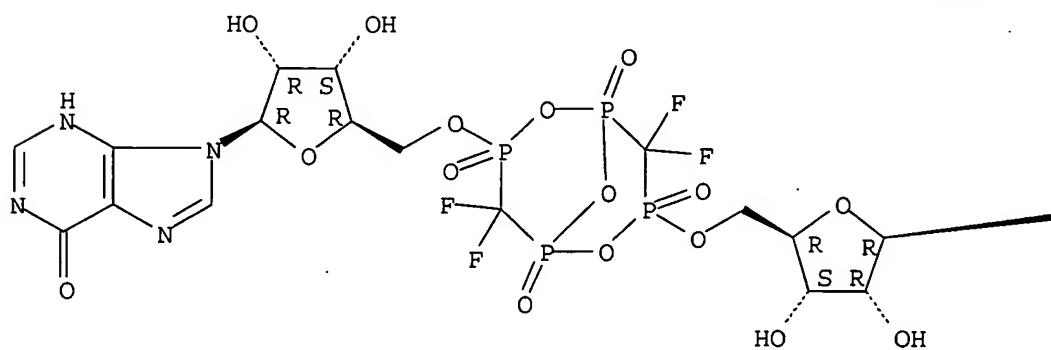


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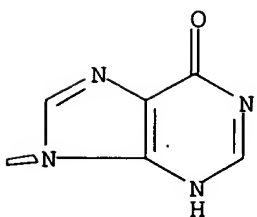
CN Inosine, 5',5'''-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxo-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



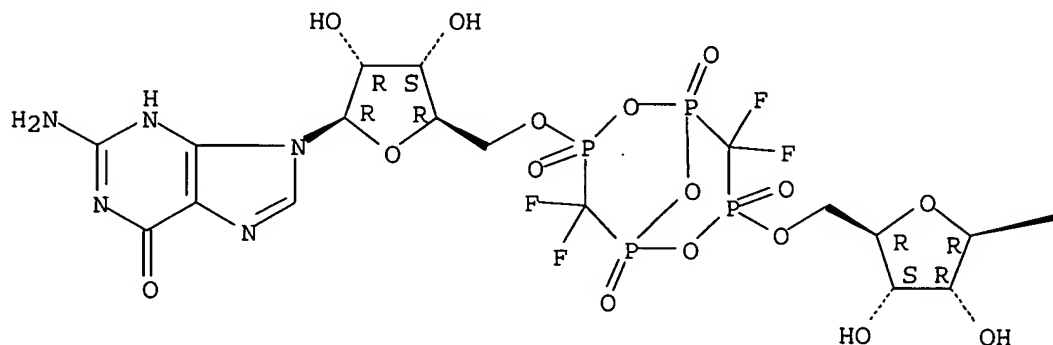
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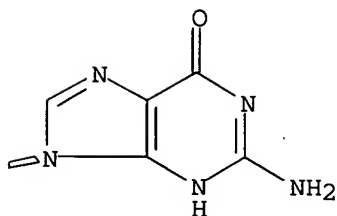
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Absolute stereochemistry.

PAGE 1-A

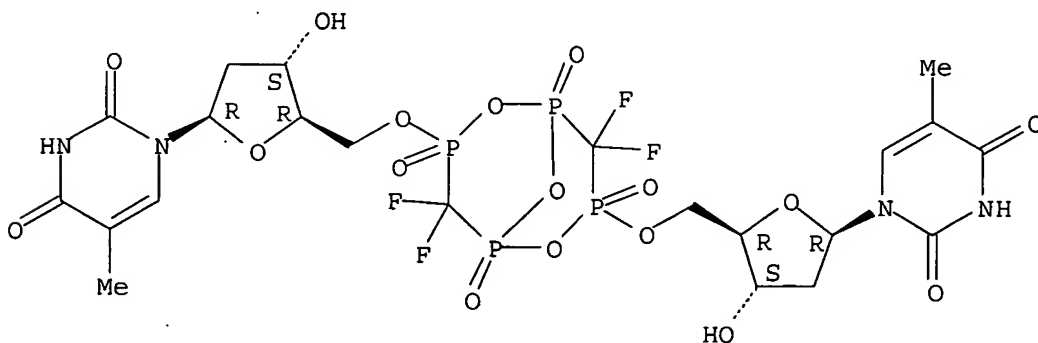


PAGE 1-B



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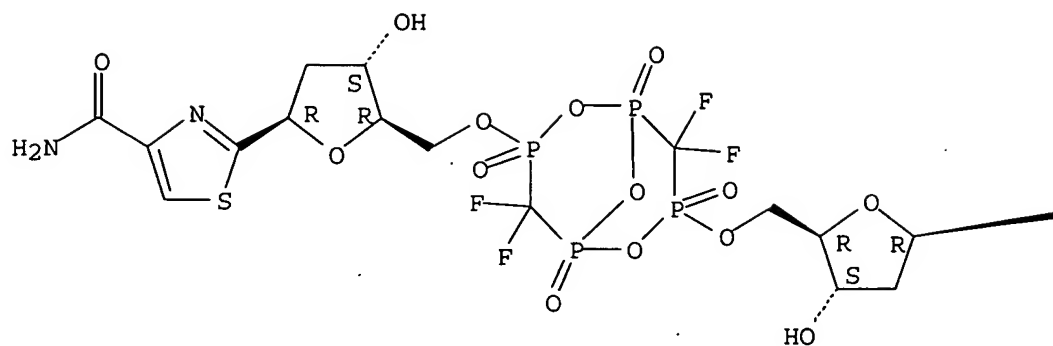
Absolute stereochemistry.



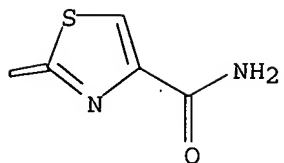
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Absolute stereochemistry.

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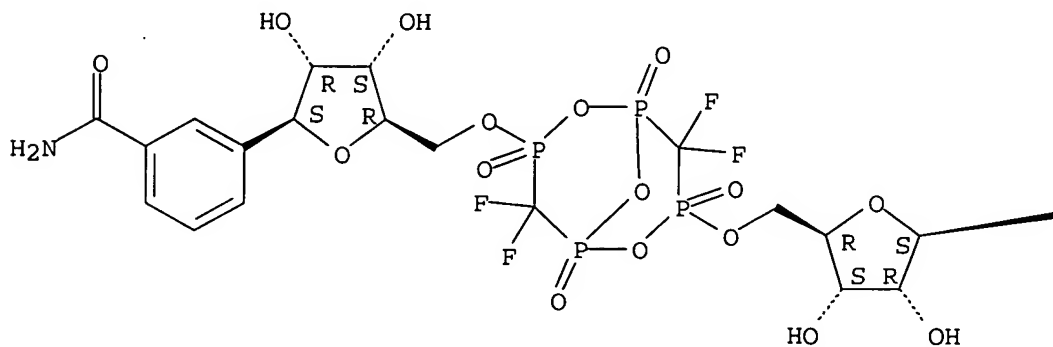


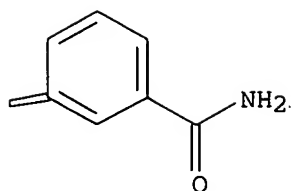
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Absolute stereochemistry.

PAGE 1-A

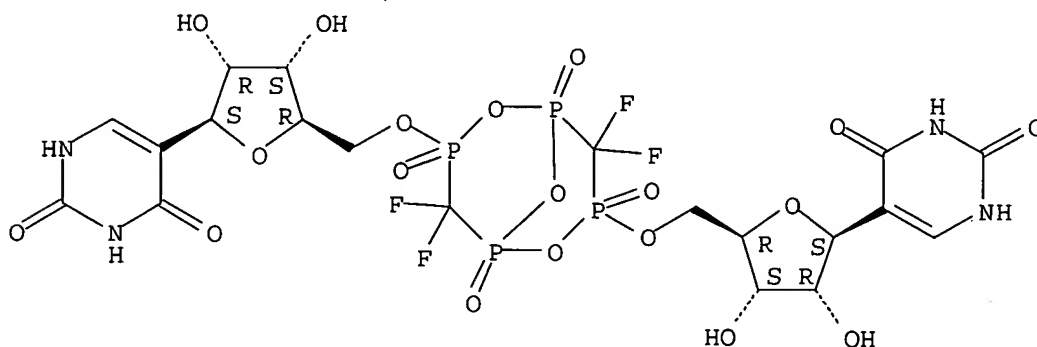




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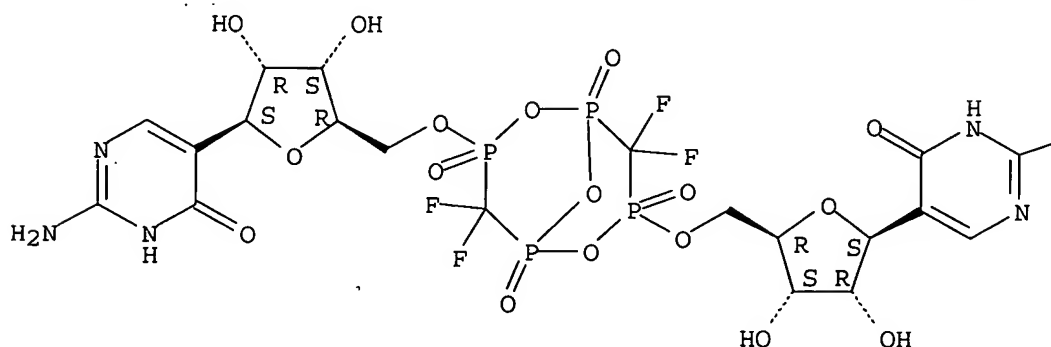
Absolute stereochemistry.



RN 206647-77-0 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-1,4-dihydro-4-oxo-5-pyrimidinyl)-1,4-anhydro-, (1S,1'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

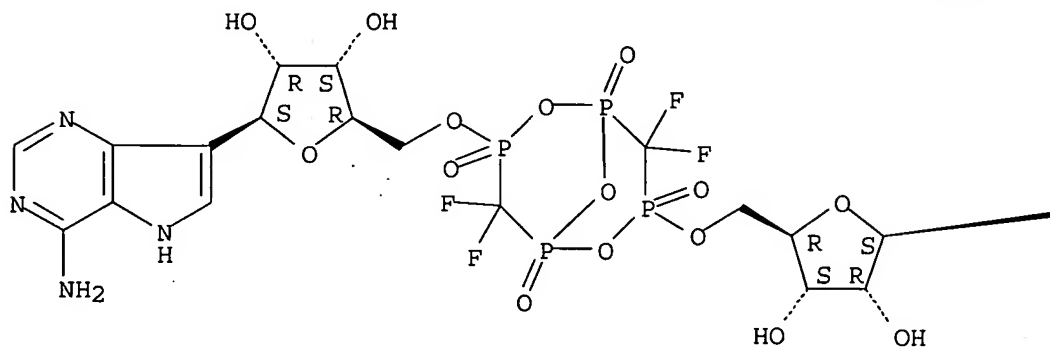


—NH₂

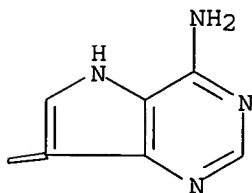
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Absolute stereochemistry.

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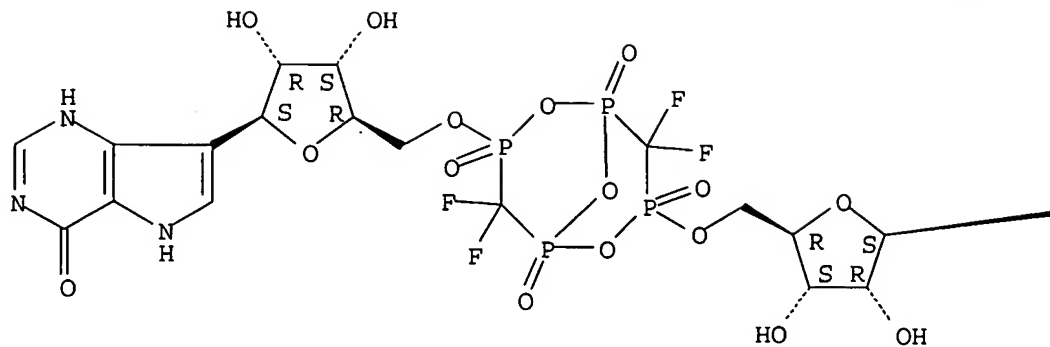
PAGE 1-B



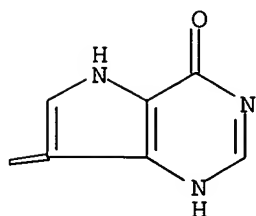
RN 206647-79-2 CAPLUS
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Absolute stereochemistry.

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PAGE 1-B

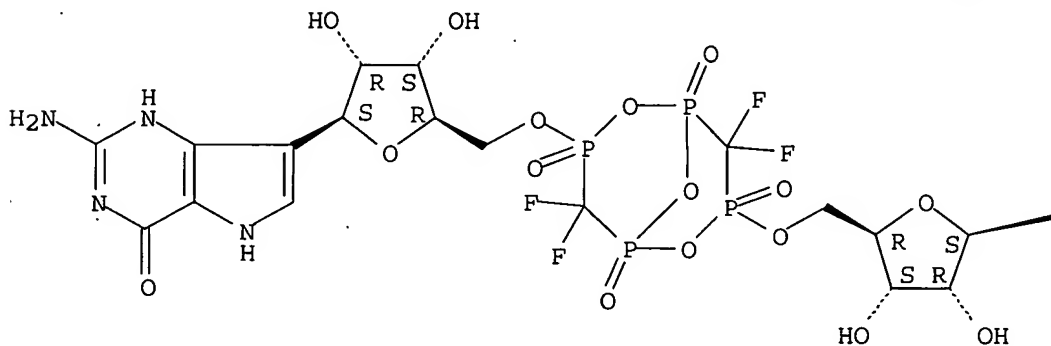


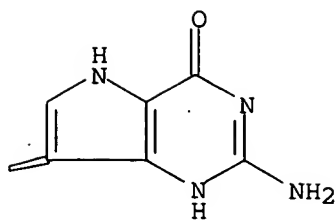
RN 206647-80-5 CAPLUS

CN D-Ribitol, 5,5'-O-(4,4,8,8-tetrafluoro-1,3,5,7-tetraoxido-2,6,9-trioxa-1,3,5,7-tetraphosphabicyclo[3.3.1]nonane-3,7-diyl)bis[1-C-(2-amino-4,5-dihydro-4-oxo-1H-pyrrolo[3,2-d]pyrimidin-7-yl)-1,4-anhydro-, (1S,1'S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

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REFERENCE COUNT:

8

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